

UTF1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1767a**Specification****UTF1 Antibody - Product Information**

Application	E, WB, FC
Primary Accession	Q5T230
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	36.4kDa KDa

Description

Undifferentiated transcription factor-1 (UTF-1) is used as marker for the undifferentiated state of pluripotent stem cells. UTF1 is a chromatin-associated protein with core histone-like properties. UTF1 further acts as a transcriptional repressor and is required for proper differentiation of pluripotent cells.

Immunogen

Purified recombinant fragment of human UTF1 (AA: 148-214) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

UTF1 Antibody - Additional Information

Gene ID 8433

Other Names

Undifferentiated embryonic cell transcription factor 1, UTF1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=12634)
HGNC:12634

Dilution

E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

UTF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

UTF1 Antibody - Protein Information

Name UTF1 ([HGNC:12634](#))

Function

Acts as a transcriptional coactivator of ATF2.

Cellular Location

Nucleus.

UTF1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

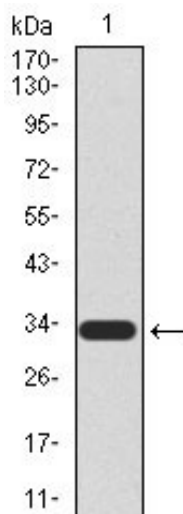
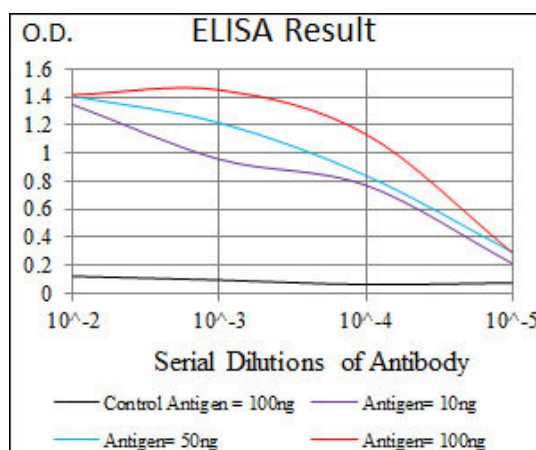


Figure 1: Western blot analysis using UTF1 mAb against human UTF1 recombinant protein. (Expected MW is 32.8 kDa)

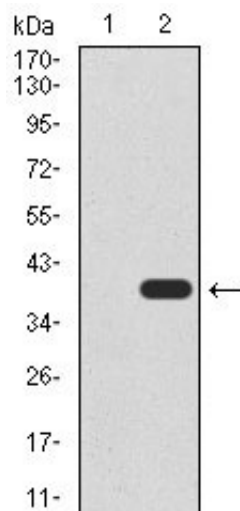


Figure 2: Western blot analysis using UTF1 mAb against HEK293 (1) and UTF1 (AA: 148-214)-hIgGFc transfected HEK293 (2) cell lysate.

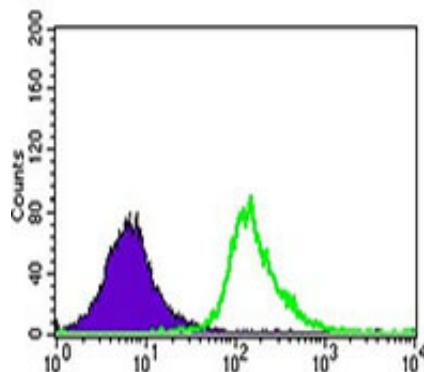


Figure 3: Flow cytometric analysis of K562 cells using UTF1 mouse mAb (green) and negative control (purple).

UTF1 Antibody - References

1.Int J Exp Pathol. 2011 Oct;92(5):326-32.2.Stem Cell Res. 2009 May;2(3):211-8.